



# PENN-OHIO BORDER SECTION NEWSLETTER

**Check out our website!! <http://www.pennohioacs.org/>**

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## February Meeting

**Friday, February 24<sup>th</sup> @ 7:00 pm**  
**Youngstown State University**  
**Ward Beecher Science Hall**  
**Room 3022**

**Dr. William F. Carroll, Jr.**  
Vice President, Industry Issues  
Occidental Chemical Corporation

“Where Everything Comes From: Industrial  
Chemistry 101.”

How does chemistry get from the oil well to the Organic text book? How do we manufacture literally trillions of pounds of chemicals each year? Why do we make more sulfuric acid than any other chemical? And more importantly, where do all these pounds go? This presentation explores the sources of chemicals and the major processes that transform them into products that make modern life possible. Special attention is paid to the 100 largest volume chemicals manufactured and the taxonomy, ecology and interdependence of chemicals, processes and industries. And by the way it doesn't all come from the oil well or the organic text book.

## Speaker Biography

Dr. William F. Carroll, Jr. holds a Ph.D. in Organic Chemistry from Indiana University, Bloomington, IN. He is currently Vice President, Industry Issues for Occidental Chemical Corporation and also Adjunct Professor of Chemistry at Indiana.

Bill is a Past President (2005) of the American Chemical Society, and a current member of its Board of Directors. He is a Fellow of the Royal Society of Chemistry, and chair or member of a number of committees for the National Research Council of the National Academy of Sciences. He is a member of advisory boards for DePauw University, Tulane University and the Colorado School of Mines, and is 2009 chair of the Council of Scientific Society Presidents.

On behalf of OxyChem he has chaired numerous committees for industry associations, including the American Chemistry Council. He has served on expert groups commissioned by the United Nations Environment Programme, the US Environmental Protection Agency and three states most recently the California Green Ribbon Science Panel.

Bill has received the Henry Hill Award, sponsored by the ACS Division of Professional Relations, the Michael Shea Award from the ACS Division of Chemical Technicians, an Indiana University Distinguished Alumni Service Award and the Vinyl Institute's Roy T. Gottesman Leadership Award for lifetime achievement.

He holds two patents, and has over sixty publications in the fields of organic electrochemistry, polymer chemistry, combustion chemistry, incineration and plastics recycling.

## Upcoming Events

- March 25-29**    **ACS National Meeting**, San Diego, CA "*Chemistry of Life*"
- April 27**        **Awards Banquet** - Westminster College  
"*Milestones in Chemistry*" Attila Pavlath, Past ACS President  
- Poster Session – Undergraduate and Graduate participants encouraged to become involved, Monetary prizes awarded for top posters.  
- Chemistry Olympiad
- June 5-8**        Central Regional Meeting of the American Chemical Society (**CERMACS**)  
"*The Throw Down in Motown*" Dearborn, Michigan.
- August 19-23**    **ACS National Meeting**, Philadelphia, PA "*Materials for Health & Medicine*"
- September 21**    TBA

## News Bytes

- Clovis Linkous, POBS Secretary attended the ACS Leadership Institute at the Omni Fort Worth Hotel in Fort Worth, Texas from January 20-22, 2012. He is excited to be our new secretary.
- Chemists Celebrate Earth Day!! Theme: "Rethinking Recycling — It's Easy to Be Green!" April 22, 2012
- 2012 Officers elected by electronic ballot were:

Chair:	Kathryn Frantz	Members - at - large:
Chair-Elect:	Susan Cramer	Sherri Lovelace Cameron
Secretary:	Clovis Linkous	Salah Blaih
Treasurer:	Michael Serra	Sarah Kennedy

## Minutes of the October 14, 2011 Meeting at Grove City College

Dr. Robert Bates from the University of Florida, Gainesville presented a seminar on “What You Always Wanted to Know about Chemicals in Foods but Were Afraid to Eat.” Over 60 people attended our final seminar celebrating the “International Year of Chemistry (IYC 2011)”. Our section was instrumental in scheduling this tour speaker with five other local ACS sections (Pittsburgh, Toledo, Akron, Cleveland, and Erie). Our speaker’s informative and entertaining talk focused on food additives, hazards, carcinogens, nutraceuticals, food scares, and controversies. Dr. Bates’s finale focused on the FDA, research, education, and philosophy. The beginning of National Chemistry Week (NCW) was celebrated by distributing pencils to all attendees. It was announced that 8,750 copies of *Celebrating Chemistry* would be distributed to local elementary schools in Pennsylvania and Ohio. The ballot for the 2012 officers was also presented.

## Directions to YSU

**From the northwest (Cleveland, Toledo):** Take Ohio Turnpike to Exit 218. Follow I-80 East to I-680, Youngstown. Take Exit 4A, Route 422 East and proceed to the Wick Avenue exit. Turn right onto Wick Avenue. To park in the deck (you must pay), make a left into the large parking deck after the first light on Wick. Street parking on Lincoln Avenue (make a right at the second light) is available after 5:30 PM.

**From the north (Ashtabula):** Take Route 11 South to I-80 West. Take Route 711 South (exits left). Exit at Gypsy Lane and make a left onto Gypsy. Cross Belmont Ave. (Rt. 193); at the fourth traffic light after Belmont, turn right onto Fifth Ave. Drive down Fifth until you get to Rt. 422 (look for the YSU stadium), then cross the overpass and turn left onto the Eastbound Service Road, staying on the service road as you pass the stadium. Cross the Elm Street intersection, then turn right onto Wick. To park in the deck (you must pay), make a left into the large parking deck after the first light on Wick. Street parking on Lincoln Avenue (make a right at the second light) is available after 5:30 PM.

**From the east (western Pennsylvania):** Take I-80 to Route 711 South (Exits left). Exit at Gypsy Lane and make a left onto Gypsy. Cross Belmont Ave. (Rt. 193); at the fourth traffic light after Belmont, turn right onto Fifth Ave. Drive down Fifth until you get to Rt. 422 (look for the YSU stadium), then cross the overpass and turn left onto the Eastbound Service Road, staying on the service road as you pass the stadium. Cross the Elm Street intersection, then turn right onto Wick. To park in the deck (you must pay), make a left into the large parking deck after the first light on Wick. Street parking on Lincoln Avenue (make a right at the second light) is available after 5:30 PM.

**From the southeast (Pittsburgh):** Take the PA Turnpike to Exit 234 (16A) on the Ohio Turnpike. From there, take I-680 approximately 10 miles to Exit 6 (Route 62 and Hubbard). Follow signs for YSU and take Route 422 West. Take the first Exit (Wick Avenue) and turn left on Wick. To park in the deck (you must pay), make a left into the large parking deck after the second light on Wick. Street parking on Lincoln Avenue (make a right at the second light) is available after 5:30 PM.

**From the south:** Take Ohio Route 11 North to I-680. From I-680, take Exit 4A, Route 422 East. Exit the freeway at Wick Avenue and turn right on Wick. To park in the deck (you must pay), make a left into the large parking deck after the third light on Wick. Street parking on Lincoln Avenue (make a right at the second light) is available after 5:30 PM.

**From the west (Akron):** Take I-71 or I-77 to I-76 East. Where I-80 and I-76 divide, follow I-80 until it intersects with I-680 to Youngstown. Follow I-680 to Exit 4A, Route 422 East. Exit the 422 freeway at Wick Avenue and turn right. To park in the deck (you must pay), make a left into the large parking deck after the first light on Wick. Street parking on Lincoln Avenue (make a right at the second light) is available after 5:30 PM.